



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 5

Test Date: March 2009  
Code: 31291811  
SAU: East Machias School Department  
School: Elm Street School-East Machias

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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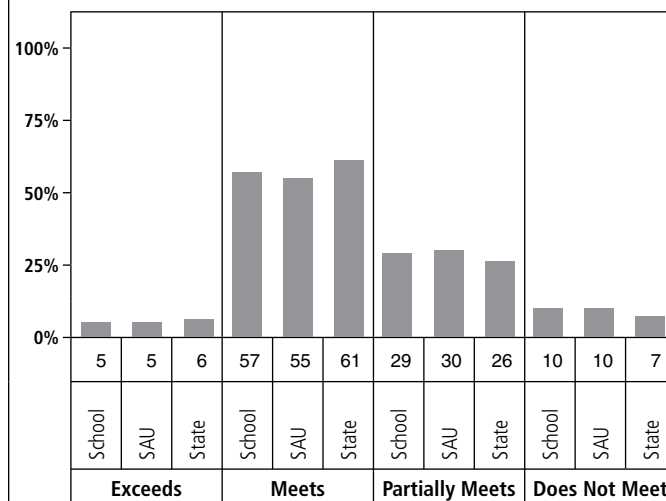
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

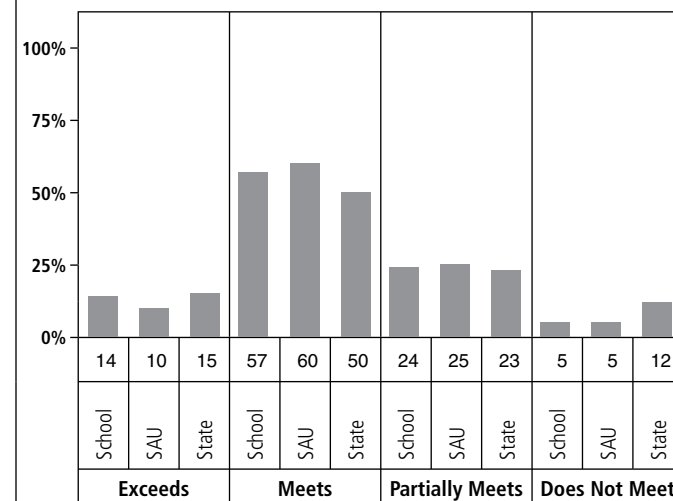
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	547	547	544
2007–2008	544	545	545
<b>2008–2009</b>	<b>545</b>	<b>544</b>	<b>546</b>
Cum. Avg.*	545	545	545
<b>Mathematics</b>			
2006–2007	548	548	546
2007–2008	535	536	546
<b>2008–2009</b>	<b>549</b>	<b>548</b>	<b>547</b>
Cum. Avg.*	545	545	546
<b>Science</b>			
<b>2008–2009 **</b>	<b>546</b>	<b>546</b>	<b>543</b>

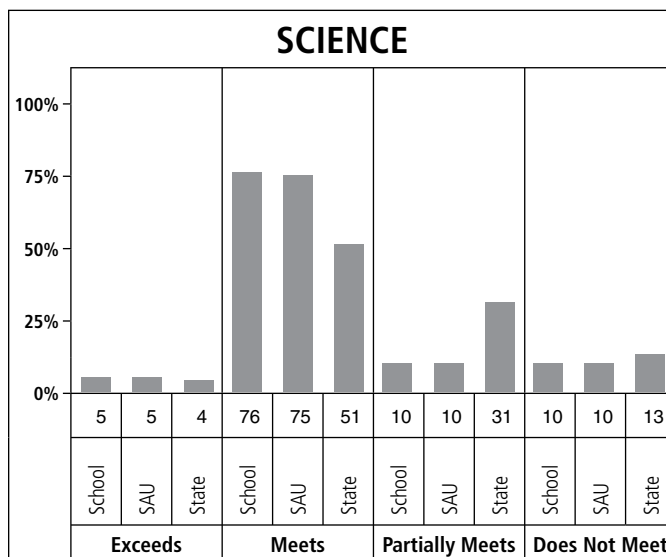
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\*Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	21	100	20	100	14212	100	21	100	20	100	14135	100	21	100	20	100	14144	100	21	100	20	100	14137	100
<b>Ethnicity</b> African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	21	100	20	100	13271	93	21	100	20	100	13212	100	21	100	20	100	13211	100	21	100	20	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	3	14	3	15	2479	17	3	100	3	100	2454	100	3	100	3	100	2455	100	3	100	3	100	2451	99
<b>Current LEP</b>	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
<b>Economically disadvantaged</b>	16	76	15	75	5848	41	16	100	15	100	5815	100	16	100	15	100	5819	100	16	100	15	100	5812	100
<b>Migrant</b>	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	18	86	17	85	10849	76	18	86	17	85	10872	76	18	86	17	85	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
<b>Participation with accommodations</b>	3	14	3	15	3122	22	3	14	3	15	3124	22	3	14	3	15	3019	21
Identified disability (PET/IEP)	3	100	3	100	1992	64	3	100	3	100	2000	64	3	100	3	100	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
<b>Non-participation – other</b>	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	1	7	1	8	702	5
	2007-2008	0	0	0	0	659	5
	<b>2008-2009</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>836</b>	<b>6</b>
	Cum. Total*	2	4	2	5	2197	5
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	8	57	7	54	7730	55
	2007-2008	7	58	7	64	8195	58
	<b>2008-2009</b>	<b>12</b>	<b>57</b>	<b>11</b>	<b>55</b>	<b>8495</b>	<b>61</b>
	Cum. Total*	27	57	25	57	24420	58
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	5	36	5	38	4182	30
	2007-2008	3	25	3	27	3800	27
	<b>2008-2009</b>	<b>6</b>	<b>29</b>	<b>6</b>	<b>30</b>	<b>3667</b>	<b>26</b>
	Cum. Total*	14	30	14	32	11649	28
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	0	0	0	0	1419	10
	2007-2008	2	17	1	9	1362	10
	<b>2008-2009</b>	<b>2</b>	<b>10</b>	<b>2</b>	<b>10</b>	<b>973</b>	<b>7</b>
	Cum. Total*	4	9	3	7	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	30.0	62.5	29.7	61.9	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	14.5	60.4	14.4	60.0	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	15.4	64.2	15.3	63.8	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 5  
 SAU: East Machias School Department  
 School: Elm Street School-East Machias

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	21	1	5	12	57	6	29	2	10	545	20	5	55	30	10	544	13971	6	61	26	7	546
<b>Ethnicity</b>																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	21	1	5	12	57	6	29	2	10	545	20	5	55	30	10	544	13062	6	62	26	6	546
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	3										3						2290	0	29	47	23	537
No	18	1	6	12	67	5	28	0	0	546	17	6	65	29	0	546	11681	7	67	22	4	548
<b>Current LEP</b>																						
Yes	0										0						354	1	35	34	30	538
No	21	1	5	12	57	6	29	2	10	545	20	5	55	30	10	544	13617	6	61	26	6	546
<b>Economically disadvantaged</b>																						
Yes	16	0	0	9	56	5	31	2	13	543	15	0	53	33	13	543	5716	2	51	35	12	542
No	5	1	20	3	60	1	20	0	0	548	5	20	60	20	0	548	8255	9	67	20	4	548
<b>Migrant</b>																						
Yes	0										0						8	0	38	25	38	538
No	21	1	5	12	57	6	29	2	10	545	20	5	55	30	10	544	13963	6	61	26	7	546
<b>Gender</b>																						
Female	7	1	14	2	29	3	43	1	14	545	7	14	29	43	14	545	6882	8	62	24	6	547
Male	14	0	0	10	71	3	21	1	7	545	13	0	69	23	8	544	7089	4	60	28	8	545
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	2										2						1914	1	41	44	14	540
No	19	1	5	11	58	6	32	1	5	545	18	6	56	33	6	545	12057	7	64	23	6	547
<b>Gifted/talented program</b>																						
Yes	1										0						450	26	72	2	0	557
No	20	1	5	11	55	6	30	2	10	544	20	5	55	30	10	544	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	33	0	0	4	57	1	14	2	29	542	30	0	50	17	33	540	4	2	40	34	24	540
B. less than one hour	62	1	8	7	54	5	38	0	0	545	65	8	54	38	0	545	70	6	63	26	6	546
C. one to two hours	5	0	0	1	100	0	0	0	0	554	5	0	100	0	0	554	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	24	0	0	4	80	1	20	0	0	549	20	0	75	25	0	548	36	10	67	18	5	549
B. good	67	1	7	8	57	4	29	1	7	544	70	7	57	29	7	544	47	5	62	27	6	546
C. fair	10	0	0	0	0	1	50	1	50	535	10	0	0	50	50	535	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	43	0	0	5	56	4	44	0	0	545	45	0	56	44	0	545	31	9	65	20	5	548
B. They match some of what I have learned.	43	1	11	6	67	1	11	1	11	546	40	13	63	13	13	545	55	5	63	27	5	546
C. They match just a little of what I have learned.	10	0	0	0	0	1	50	1	50	535	10	0	0	50	50	535	10	3	45	38	14	542
D. There is no match.	5	0	0	1	100	0	0	0	0	546	5	0	100	0	0	546	3	1	31	41	27	537
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	24	0	0	4	80	1	20	0	0	548	20	0	75	25	0	548	16	3	49	32	15	542
B. about the same as my regular schoolwork	52	1	9	6	55	4	36	0	0	545	55	9	55	36	0	545	64	7	63	25	5	547
C. easier than my regular schoolwork	24	0	0	2	40	1	20	2	40	540	25	0	40	20	40	540	20	5	62	26	7	546
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	5	0	0	0	0	1	100	0	0	540	5	0	0	100	0	540	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	52	1	9	5	45	4	36	1	9	545	50	10	40	40	10	544	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	43	0	0	7	78	1	11	1	11	545	45	0	78	11	11	545	38	10	68	18	4	549
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	24	0	0	3	60	1	20	1	20	540	25	0	60	20	20	540	20	10	64	21	5	548
B. 20 minutes to an hour	43	1	11	5	56	3	33	0	0	548	45	11	56	33	0	548	56	7	65	24	5	547
C. less than 20 minutes	10	0	0	1	50	1	50	0	0	544	10	0	50	50	0	544	10	3	52	33	12	543
D. I rarely read at home.	24	0	0	3	60	1	20	1	20	543	20	0	50	25	25	541	14	1	46	38	14	541
<b>How many pages do you read in school and to complete homework assignments?</b>																						
A. five or fewer pages	25	0	0	1	20	2	40	2	40	536	26	0	20	40	40	536	25	3	53	33	11	543
B. six to ten pages	35	0	0	3	43	4	57	0	0	542	37	0	43	57	0	542	26	6	61	26	7	546
C. eleven or more pages	40	1	13	7	88	0	0	0	0	552	37	14	86	0	0	552	49	8	65	23	5	547
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	1	7	1	8	1711	12
	2007-2008	0	0	0	0	1617	12
	<b>2008-2009</b>	<b>3</b>	<b>14</b>	<b>2</b>	<b>10</b>	<b>2119</b>	<b>15</b>
	Cum. Total*	4	9	3	7	5447	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	10	71	9	69	6778	48
	2007-2008	3	25	3	27	7284	52
	<b>2008-2009</b>	<b>12</b>	<b>57</b>	<b>12</b>	<b>60</b>	<b>7046</b>	<b>50</b>
	Cum. Total*	25	53	24	55	21108	50
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	2	14	2	15	3884	28
	2007-2008	6	50	6	55	3341	24
	<b>2008-2009</b>	<b>5</b>	<b>24</b>	<b>5</b>	<b>25</b>	<b>3193</b>	<b>23</b>
	Cum. Total*	13	28	13	30	10418	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	1	7	1	8	1683	12
	2007-2008	3	25	2	18	1778	13
	<b>2008-2009</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>1638</b>	<b>12</b>
	Cum. Total*	5	11	4	9	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>48</b>	<b>100</b>	26.9	56.0	26.4	55.0	25.5	53.1
<b>A. Number</b>	<b>18</b>	<b>38</b>	10.5	58.3	10.2	56.7	9.8	54.4
<b>B. Data</b>	<b>10</b>	<b>21</b>	5.6	56.0	5.5	55.0	5.2	52.0
<b>C. Geometry</b>	<b>10</b>	<b>21</b>	4.6	46.0	4.6	46.0	4.7	47.0
<b>D. Algebra</b>	<b>10</b>	<b>21</b>	6.2	62.0	6.2	62.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 5  
 SAU: East Machias School Department  
 School: Elm Street School-East Machias

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	21	3	14	12	57	5	24	1	5	549	20	10	60	25	5	548	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	21	3	14	12	57	5	24	1	5	549	20	10	60	25	5	548	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	3										3						2307	3	32	32	33	536
No	18	3	17	11	61	3	17	1	6	550	17	12	65	18	6	550	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	21	3	14	12	57	5	24	1	5	549	20	10	60	25	5	548	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	16	2	13	9	56	4	25	1	6	548	15	7	60	27	7	547	5731	7	46	29	18	542
No	5	1	20	3	60	1	20	0	0	553	5	20	60	20	0	553	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	21	3	14	12	57	5	24	1	5	549	20	10	60	25	5	548	13988	15	50	23	12	547
Gender																						
Female	7	0	0	5	71	1	14	1	14	546	7	0	71	14	14	546	6889	14	51	23	12	546
Male	14	3	21	7	50	4	29	0	0	550	13	15	54	31	0	549	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										2						1918	3	39	36	22	539
No	19	3	16	11	58	4	21	1	5	550	18	11	61	22	6	549	12078	17	52	21	10	548
Gifted/talented program																						
Yes	1										0						450	64	34	2	0	564
No	20	2	10	12	60	5	25	1	5	548	20	10	60	25	5	548	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
 Grade: 5  
 SAU: East Machias School Department  
 School: Elm Street School-East Machias

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	33	2	29	3	43	2	29	0	0	550	30	17	50	33	0	548	4	8	38	26	28	539
B. less than one hour	62	1	8	8	62	3	23	1	8	548	65	8	62	23	8	548	70	15	52	23	10	547
C. one to two hours	5	0	0	1	100	0	0	0	0	556	5	0	100	0	0	556	24	15	51	23	11	547
D. more than two hours	0										0						2	9	37	24	30	539
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	48	2	20	4	40	4	40	0	0	548	45	11	44	44	0	546	34	28	50	14	8	552
B. good	43	1	11	7	78	0	0	1	11	551	45	11	78	0	11	551	45	11	54	24	10	546
C. fair	10	0	0	1	50	1	50	0	0	541	10	0	50	50	0	541	18	3	45	33	19	540
D. poor	0										0						3	1	29	41	29	535
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	10	0	0	1	50	1	50	0	0	540	10	0	50	50	0	540	38	22	52	19	7	550
B. They match some of what I have learned.	67	3	21	8	57	2	14	1	7	551	65	15	62	15	8	550	48	12	53	24	11	546
C. They match just a little of what I have learned.	24	0	0	3	60	2	40	0	0	546	25	0	60	40	0	546	11	6	40	30	24	540
D. There is no match.	0										0						3	6	26	29	38	534
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	19	1	25	2	50	1	25	0	0	555	15	0	67	33	0	551	17	7	42	30	21	540
B. about the same as my regular schoolwork	67	2	14	9	64	2	14	1	7	549	70	14	64	14	7	549	64	15	53	23	10	547
C. easier than my regular schoolwork	14	0	0	1	33	2	67	0	0	540	15	0	33	67	0	540	19	24	49	17	10	550
<b>On average, how many minutes a day do you spend working on mathematics in class?</b>																						
A. less than 30 minutes	10	0	0	1	50	1	50	0	0	542	10	0	50	50	0	542	7	6	39	27	27	539
B. 30–45 minutes	29	0	0	4	67	2	33	0	0	547	30	0	67	33	0	547	28	9	49	28	15	544
C. 45–60 minutes	62	3	23	7	54	2	15	1	8	551	60	17	58	17	8	550	41	17	53	21	9	548
D. more than 60 minutes	0										0						24	21	51	20	8	549
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	5	0	0	0	0	1	100	0	0	536	5	0	0	100	0	536	6	14	43	24	20	543
B. two or three days a week	0										0						24	17	52	21	10	548
C. two or three times each month	5	0	0	0	0	0	0	1	100	522	5	0	0	0	100	522	33	17	52	21	9	548
D. never or almost never	90	3	16	12	63	4	21	0	0	551	90	11	67	22	0	550	38	12	49	25	14	545
<b>How often do you use hands-on materials in mathematics class?</b>																						
A. almost every day	14	0	0	2	67	1	33	0	0	546	15	0	67	33	0	546	23	13	47	26	15	545
B. two or three days a week	10	0	0	2	100	0	0	0	0	548	10	0	100	0	0	548	31	17	52	21	10	548
C. two or three times each month	38	2	25	4	50	1	13	1	13	551	35	14	57	14	14	549	27	17	52	21	10	548
D. never or almost never	38	1	13	4	50	3	38	0	0	548	40	13	50	38	0	548	20	12	50	24	14	545
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	5	1	5	626	4
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	16	76	15	75	7187	51
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	2	10	2	10	4364	31
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	2	10	2	10	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	48	100	31.4	65.4	31.0	64.6	29.2	60.8
<b>D. The Physical Setting</b>	24	50	13.1	54.6	12.9	53.8	12.9	53.8
<b>E. The Living Environment</b>	24	50	18.3	76.3	18.1	75.4	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 5  
 SAU: East Machias School Department  
 School: Elm Street School-East Machias

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	21	1	5	16	76	2	10	2	10	546	20	5	75	10	10	546	13995	4	51	31	13	543
<b>Ethnicity</b>																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	21	1	5	16	76	2	10	2	10	546	20	5	75	10	10	546	13080	5	52	31	12	544
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	3										3						2309	2	29	39	29	536
No	18	1	6	14	78	1	6	2	11	547	17	6	76	6	12	546	11686	5	56	30	10	545
<b>Current LEP</b>																						
Yes	0										0						361	1	23	32	44	533
No	21	1	5	16	76	2	10	2	10	546	20	5	75	10	10	546	13634	5	52	31	12	544
<b>Economically disadvantaged</b>																						
Yes	16	1	6	12	75	1	6	2	13	545	15	7	73	7	13	544	5729	2	42	37	20	539
No	5	0	0	4	80	1	20	0	0	550	5	0	80	20	0	550	8266	6	58	27	8	546
<b>Migrant</b>																						
Yes	0										0						8	0	25	13	63	530
No	21	1	5	16	76	2	10	2	10	546	20	5	75	10	10	546	13987	4	51	31	13	543
<b>Gender</b>																						
Female	7	0	0	5	71	1	14	1	14	541	7	0	71	14	14	541	6886	4	49	33	14	542
Male	14	1	7	11	79	1	7	1	7	549	13	8	77	8	8	549	7109	5	54	29	12	544
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	2										2						1917	1	31	41	28	536
No	19	1	5	15	79	1	5	2	11	547	18	6	78	6	11	546	12078	5	55	30	11	544
<b>Gifted/talented program</b>																						
Yes	1										0						450	25	72	2	1	557
No	20	1	5	15	75	2	10	2	10	546	20	5	75	10	10	546	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 5  
SAU: East Machias School Department  
School: Elm Street School-East Machias

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	33	0	0	6	86	1	14	0	0	550	30	0	83	17	0	548	4	2	37	35	25	538
B. less than one hour	62	1	8	9	69	1	8	2	15	545	65	8	69	8	15	545	70	4	53	31	12	544
C. one to two hours	5	0	0	1	100	0	0	0	0	548	5	0	100	0	0	548	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	24	0	0	4	80	0	0	1	20	545	25	0	80	0	20	545	26	7	56	26	11	545
B. good	48	1	10	8	80	1	10	0	0	549	50	10	80	10	0	549	53	4	53	31	11	544
C. fair	24	0	0	4	80	0	0	1	20	546	20	0	75	0	25	543	18	2	41	39	17	540
D. poor	5	0	0	0	0	1	100	0	0	532	5	0	0	100	0	532	3	1	33	36	30	536
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	20	0	0	4	100	0	0	0	0	550	21	0	100	0	0	550	23	5	56	28	11	544
B. They match some of what I have learned.	45	0	0	7	78	0	0	2	22	544	47	0	78	0	22	544	48	5	52	31	12	544
C. They match just a little of what I have learned.	30	0	0	4	67	2	33	0	0	545	26	0	60	40	0	542	23	4	49	33	14	543
D. There is no match.	5	1	100	0	0	0	0	0	0	564	5	100	0	0	0	564	6	3	40	34	23	539
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	20	0	0	3	75	1	25	0	0	548	16	0	67	33	0	543	23	5	48	31	16	543
B. about the same as my regular schoolwork	45	0	0	7	78	0	0	2	22	541	47	0	78	0	22	541	58	4	52	32	12	543
C. easier than my regular schoolwork	35	1	14	5	71	1	14	0	0	552	37	14	71	14	0	552	19	6	53	29	11	544
<b>How often do you have science classes?</b>																						
A. every day	10	0	0	2	100	0	0	0	0	554	11	0	100	0	0	554	33	5	51	31	14	543
B. a few times a week	50	1	10	6	60	1	10	2	20	546	47	11	56	11	22	544	45	4	52	32	11	544
C. once a week	10	0	0	2	100	0	0	0	0	547	11	0	100	0	0	547	8	4	50	30	16	542
D. a few times a month	30	0	0	5	83	1	17	0	0	544	32	0	83	17	0	544	15	4	52	30	14	543
<b>Which statement best describes how you learn science?</b>																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	33	0	0	5	71	1	14	1	14	543	35	0	71	14	14	543	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	10	0	0	2	100	0	0	0	0	546	10	0	100	0	0	546	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	38	1	13	7	88	0	0	0	0	554	35	14	86	0	0	553	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	19	0	0	2	50	1	25	1	25	539	20	0	50	25	25	539	21	6	58	27	10	545
<b>How often do you make observations and collect data in science class?</b>																						
A. a few times a week	14	0	0	2	67	0	0	1	33	539	15	0	67	0	33	539	47	4	51	32	12	543
B. a few times a month	33	1	14	5	71	1	14	0	0	551	30	17	67	17	0	550	27	5	54	30	11	544
C. once a month	33	0	0	7	100	0	0	0	0	548	35	0	100	0	0	548	10	5	49	30	15	543
D. never or almost never	19	0	0	2	50	1	25	1	25	541	20	0	50	25	25	541	15	3	48	32	16	542
<b>How often do you use observations and data to support your idea about science?</b>																						
A. a few times a week	14	0	0	2	67	0	0	1	33	536	15	0	67	0	33	536	46	4	52	32	12	543
B. a few times a month	19	1	25	3	75	0	0	0	0	550	20	25	75	0	0	550	28	5	53	30	12	544
C. once a month	29	0	0	4	67	2	33	0	0	545	30	0	67	33	0	545	11	4	47	34	15	542
D. never or almost never	38	0	0	7	88	0	0	1	13	550	35	0	86	0	14	548	15	4	50	30	16	542
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards  
N = Number